BRUHAT BANGALORE MAHANAGARA PALIKE

BILL OF QUANTITIES (BOQ)

Name of Work: Detailed Estimate for the Work of Providing Fixing new Motor pump, PVC Cable, new Pannel Board, MS Box, and other nessarry accessory to Existing Borewell at Vidyasagara Surrounding areas in Ward No. 06, Byatarayanapura Sub Division.

Sl. No.	Approved Qty.	Description	Unit	Issued to Technical Manager , KRIDL	
				In Figures	In Words
1	**1**	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000 HP 25 stage For Additional Motor 7.5 HP 16 Stage	No	45800.00	Rupees Forty Five Thousand Eight Hundred Only
3	**2**	12.5HP 25 Stage (P.NO-XXXX, I.NO-24, PWD SR 16-17)	No	60400.00	Rupees Sixty Thousand Four Hundred Only
4	**3**	15 HP 30 Stage (P.NO-XXXXI, I.NO-33, PWD SR 16-17)	No	70600.00	Rupees Seventy Thousand Six Hundred Only
5	**3**	20HP 30 stage (P.NO-XXXXI, I.NO-37, PWD SR 16-17)	No	79100.00	Rupees Seventy Nine Thousand One Hundred Only
6	**1800.00**	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings)b 50mm dia GI pipe (SR 13-14 PWD, P.No.XVII Sl.no. 509)	Rmtr	321.00	Rupees Three Hundred Twenty One Only
7	**295.00**	Providing & fixing heavy duty collar (P.NO-III, I.NO-86, PRED 12-13 SR)	Rmtr	150.00	Rupees One Hundred Fifty Only
8	**3000.00**	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia (P.NO-535, I.NO-30 (c), BWSSB 12-13 SR)	Mtr	188.70	Rupees One Hundred Eighty Eight and Seventy Paise Only
9	**30.00**	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. **12.5HP to 15 HP Star Delta Starter SERDED Rate**	No.	11000.00	Rupees Eleven Thousand Only

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Signature of the contractor

E.E. Executive Engineer

Sl. No.	Approved Qty.	Description	Unit	Issued to Technical Manager , KRIDL	
				In Figures	In Words
10	**660000.00**	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete **P.No. 49, I. No. 6.40.2 KPWD Electrical SR 2014-15**	Sqcm	0.33	and Thirty Three Paise Only
11	**60.00**	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve. (PWD SR 16-17, P.NO.XXIV, Sl.no, 673)	Nos.	1150.00	Rupees One Thousand One Hundred Fifty Only
12	**240.00**	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia (PWD SR 16-17, P.NO.XXIV, Sl.no, 659)	Nos.	1650.00	Rupees One Thousand Six Hundred Fifty Only
13	**60.00**	Providing and fixing of 50mm GI bend to motor (PWD SR 16-17, P.NO.XXXVIII GI FITTINGS TABLE)	Nos.	219.00	Rupees Two Hundred Nineteen Only
14	**120.00**	Providing and fixing of 50mm GI Nipple to motor (PWD SR 2016-17, P.NO.XXXVIII GI FITTINGS TABLE)	Nos.	104.30	Rupees One Hundred Four and Thirty Paise Only
15	**120.00**	Providing and fixing of 50mm GI union to the motor ((PWD SR 2016-17, P.NO.XXXVIII GI FITTINGS TABLE)	Nos.	223.70	Rupees Two Hundred Twenty Three and Seventy Paise Only
16	**20.00**	Labour Charges for end connection (MR)	Nos.	400.00	Rupees Four Hundred Only
17	**100.00**	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P.NO - 526, I.NO - 13D (a), BWSSB SR 13-14)	Nos.	906.40	Rupees Nine Hundred Six and Forty Paise Only
18	**200.00**	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)	Mtr	169.95	Rupees One Hundred Sixty Nine and Ninety Five Paise Only
19	**200.00**	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (P.NO - 554, I.NO - 12 (b), BWSSB SR 13-14)	Mtr	56.65	Rupees Fifty Six and Sixty Five Paise Only
20	**80.00**	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm (P.NO - 555, I.NO - 15 (b), BWSSB SR 13-14)	Mtr	294.58	Rupees Two Hundred Ninety Four and Fifty Eight Paise Only
21	80.00	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. (MR)	Nos.	1350.00	Rupees One Thousand Three Hundred Fifty Only
22	**90.00**	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia (P.NO - 103, I.NO - 13.79.6, PWD SR 16-17)	Nos.	1555.20	Rupees One Thousand Five Hundred Fifty Five and Twenty Paise Only
23	**90.00**	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... **63 Amps**	No	150.00	Rupees One Hundred Fifty Only
24	**675.00**	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.3, PWD SR 16-17)	cum	223.66	Rupees Two Hundred Twenty Three and Sixty Six Paise Only

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KRIDL, BBMP DIVISION
BENGALURU-560 010

Signature of the contractor

E.E. (B.B.M.P. DIV)
Executive Engineer

Sl. No.	Approved Qty.	Description	Unit	Issued to Technical Manager , KRIDL	
				In Figures	In Words
25	**1500.00**	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete 75MM	Mtr	368.88	Rupees Three Hundred Sixty Eight and Eighty Eight Paise Only
26	**500.00**	Providing and installing at site of work 75mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.3, PWD SR 16-17)	Mtr	425.06	Rupees Four Hundred Twenty Five and Six Paise Only
27	**675.00**	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 16-17)	Mtr	59.36	Rupees Fifty Nine and Thirty Six Paise Only
28	**1500.00**	Threading of GI Pipes 50mm Dia P. No. 15 / I No.3.11.6 PRED SR (2012-13)	Nos.	25.00	Rupees Twenty Five Only
29	**1750**	Labour Charges of lifting of non functioning submersible Pump set along with cable and GI Pipes (BWSSB SR 14-15, P-558 I-1(i)	Each Length	109.00	Rupees One Hundred Nine Only
30	**25**	Transportation of pumping machineries	Each	900.00	Rupees Nine Hundred Only
31	**15**	Starter (with one year Guarantee)	No	5050.00	Rupees Five Thousand Fifty Only

1. The work should be executed as per the specification and standard specified by the PWD & Other specifications of the Bangalore Mahanagara Palike and as directed.
2. The work should be carried out as per the directions and instructions of the concerned Engineer
3. The Contractor should maintain the quality of work as per the standard specifications.

17/03

Executive Engineer (Byatarayanapura)
Bruhath Bangalore Mahanagara Palike

I am prepared to take up the above work at the rates quoted by me in the Schedule 'B'. 17/03

CONTRACTOR

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010